



SF-7907

B. E. - IV (Sem. VIII) (T.T) Examination

May / June - 2011

CAD / CAM : Elective

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवही पर अवश्य कभवी. Fillup strictly the details of signs on your answer book.		Seat No. :	
Name of the Examination :		<input type="text"/>	
☛ B. E. - 4 (SEM. 8) (T.T)		<input type="text"/>	
Name of the Subject :		<input type="text"/>	
☛ CAD / CAM : ELECTIVE		<input type="text"/>	
☛ Subject Code No. : <input type="text"/> 7 <input type="text"/> 9 <input type="text"/> 0 <input type="text"/> 7		☛ Section No. (1, 2,.....) : <input type="text"/> NIL	
		Student's Signature	

(2) Figures to the right indicate full marks.

1 (a) Fill in the blanks :

- (i) Red, Green and Blue are _____ colours.
- (ii) _____ is used to get graphical type of outputs.
- (iii) _____ printer is the impact type of printer.
- (iv) A monitor redraws the image for 80 times if the refresh rate is _____.
- (v) Power loss in case of Off-line UPS is _____ than On-line UPS.
- (vi) _____ are based on two technologies, namely shadow mask and aperture grill.
- (vii) _____ number of electron beams are directed towards the screen in case of colour monitors.
- (viii) The first software package for woven designing was developed in the year _____.
- (ix) _____ means CCD.
- (x) _____ is an example of pointing input device.

(b) Which is the fastest method of changing the design of 10 a fabric ? Explain the methods of enhancing the flexibility of weaving machine for designing.

- 2 State different types of monitors. Explain in detail, the principle of working of LCD monitor. Explain some of the features of monitors in detail. 15

OR

- 2 Explain, in detail, different types of scanners. Discuss various parameters to be considered at the time of selection of any scanner. 15

- 3 Write short notes on : (any three) 15

- (i) Different types of output devices
- (ii) Principle of working of On- & Off-Line UPS
- (iii) Handloom fabrics - ways & means for enhancing its competitiveness in the market
- (iv) Manual method of designing.

- 4 (a) Define the following : 6

- (i) Weave Insertion
- (ii) Scanning
- (iii) Resolution

- (b) Name any two colour tools and their function. 2

- (c) Name any two header files used in C++. 2

- (d) Describe in detail the main features of any one CAD software used for developing jacquard designs. 10

- 5 Write a program which will generate the testing reports by the quality control department of cotton yarn manufacturing company. 15

OR

- 5 Write a program which will calculate and display the speed and production details of Ring frame or Rotor in a spinning mill. 15

- 6 Write short notes on : (any three) 15

- (i) Electronic Card Punching Machine
- (ii) Steps involved in development of dobby designs using and CAD software.
- (iii) Features of any CAD software used for developing printed designs.
- (iv) Comparison of Woven and printed Designs.